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M	AA	4,482,985	11/13/84	Itoh et al					
Ju	AB	5,148,255	09/15/92	Nakazato et al	1			†	
gve	AC	4,730,122	03/08/88	Dreibelbis					
fre	AD	4,994,688	02/19/91	Horiguchi et a	al				
fre	AE	4,943,952	07/90	Terayama					
Mi	AF	5,046,052	09/91	Miyaji et al					
Mi	AG	5,227,697	07/93	Sakagami					
gree	АН	4,961,166	10/90	Sato					
gre	AI	4,962,482	10/90	Jinbo					
gu.	AJ	4,460,835	07/17/84	Masuoka					
gru-	AK	5,272,393	12/21/93	Horiguchi et a	1			 	
				FOREIGN PATE	NT DOCUMENTS		<u> </u>		
		DOCUMENT	DATE	C	OUNTRY	CLASS	SUBCLASS	TRANS	NO
du	AL	60-167523	08/30/85	Japan					M
SM	АМ	57-172761	10/23/82	Japan				F	N
fr	AN	59-151389	08/29/84	Japan					
gm	AO	63-211193	09/02/88.	Japan				$\overline{\Box}$	M
AM	AP	60-242585	12/02/85	Japan		-		一	M
		C	OTHER DOCU	MENTS (Including Auti	nor, Title, Date, Pertinent	Pages, etc.)	<u> </u>		
pr.	AR	IEEE JO	ournal of S	Solid State Circ	cuits, vol. 23, No	o. 1, pp 1	2-18, Feb	. 198	38.
gh	AS	NEC 4-b	oit Micropa	rocessor Handboo	ok, p. 148 (no Eng	glish trans	slation).		
pu	АТ	Hitachi	IC Memory	Data Book, Hit	achi, Ltd., Tokyo	o, pp. 44-	45, June	1987.	

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SERIAL NO. 09/864,338

LIST OF DOCUMENTS CITED BY APPLICANT

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APPLICANT J. Etoh et al

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gr	AA	3,980,935	9/1976	Worst			
M	АВ	4,161,040	7/1979	Satoh			
Ju	AC	4,288,865	9/1981	Graham			
gm	AD	4,290,119	9/1981	Masuda et al			
M	AE	4,399,524	8/1983	Muguruma et al			
gn	AF	4,482,985	11/1984	Itoh et al			
v		4,539,660	9/1985	Miyauchi et al			
Ju	АН	4,794,564	12/1988	Watanabe			-
fre	Al	4,833,341	5/1989	Watanabe et al			
fu	AJ	4,855,613	8/1989	Yamada et al			
pu	AK	4,896,297	1/1990	Miyatake et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT	DATE	COUNTRY	CLASS S	SUBCLASS	TRANS YES	LATION
John	AL	61-61479	4/1986	Japan				X
	АМ	63-179576	7/23/88	Japan				M
	AN	61-148700	7/7/86	Japan				X
		53-114625	10/6/78	Japan				X
fm	AP	55-038611	3/18/80	Japan				X

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